Mi Morum RECEIVED





1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/676,475A

DATE: 02'06/2003 TIME: 14:14:54

Input Set : A:\LJ4377.app

Output Set: N:\CRF4\02062003\I676475A.raw

```
3 - 1110 - APPLICANT: Ruoslahti, Erkki
              Pasqualini, Renata
              Raiotte, Ramiel
      7 \cdot (120 + \text{TITLE OF INVENTION: Methods of Identifying Lung Homing Molecules Using}
              Membrane Dureptidase
     10 -(150 - FILE REFERENCE: P-LA 4370
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/676,475A
C--> 13 <141> CURRENT FILING DATE: 2000-09-29
     15 HISBER FRIGH APPLICATION NUMBER: 09/042,107
     16 :151 - FRICE FILING DATE: 1998-03-13
     18 P160 - NUMBER OF MED ID NOS: 45%
     20 0170 0 CORTWARE: Patentin Ver. 2.0
     22 ×210 × FEQ II NO: 0
     .3 -0.11 - NEWGTH: 13
     24 -: 212 - TYPE: FAT
     15 -0.15 - OF WAMISM: Artificial Sequence
     U7 HDD0 - FEATURE:
     .s ollow OTHER INFORMATION: Description of Artificial Sequence: Synthetic
     50 - 400 - SEQUENCE: 1
     Il Cys Gly Pho Glu Cys Val Arq Gln Cys Pro Glu Arg Cys
         1
     SE HOID - SEQ IN NO: 1
     36 -1.11 - DENGTH: 8
     57 HILL - TYLE: PET
     35 - 0113 - 0ECANISM: Artificial Sequence
     40 -LLI - FEATURE:
     41 MACA: OTHER IMPORMATION: Description of Artificial Sequence: Synthetic
     43 HAGY DESURNOR: 1
     44 Cys Gly the Giu Leu Glu Thr Cys
        ]
     48 -1.10 - SBO II NO: 2
     49 SLIDS LENGTH: 18
     SO HOUSE TYPE: PHT
     51 -0115 GEGANISM: Autificial Sequence
     ES HUDDEN FEATURE:
     54 PULIC OTHER INFORMATION: Description of Artificial Sequence: Synthetic
     56 04600 SEQUENCE: 3
     17 Cys Val Ala Led Cys Arg Glu Ala Cys Gly Glu Gly Cys
     +1 <0100 FF0 ID NO: 4
     *L KININGTH: 9
     VS KOILD TYPE: PAT
     (4 K213) OFGANISM: Artificial Sequence
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# RAW SEQUENCE LISTING

EATENT APPLICATION: US/09/676,475A

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Input Set : A:\LJ4377.app

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```
66 KR.DE FEATURE:
€7 -0.1.30 CTHEF IMFORMATION: Description of Artificial Sequence: Synthetic
6 ← H4000 SEQUENCE: 4
70 Ser Tro Cys Glu Ero Gly Trp Cys Arg
7.1
74 K. 100 SEQ ID NO: 5
75 c. 11: LENGTH: +
76 H. HAR TYPE: PER
77 - 11 N - ORGANISM: Artificial Sequence
7 + -1.100 FEATURE:
ROUGHER IMPORMATION: Description of Artificial Sequence: Synthetic
8: K4000 SEQUENCE: 5
83 Cys Jer Cys Ph. Ard Asp Val Cys Cys
87 -1:10: SEQ ID NO: 6
8% KINITO LENGTH: 9
8 * -1117 TYEE: PAS
90 -0.113: OFCANISM: Astificial Sequence
9.1 HINDS - FEATURE:
90 CANNO OTHER INFORMATION: Description of Artificial Sequence: Synthetic
95 - HOOK SEQUENCE: 6
96 Cys Ard Asp Val Val Ser Val He Cys
97 1
100 S210 SEP ID NO:
101 -1.11 | LENGTH: 7
1.12 \times 0.12 \times \text{TYPE: PFI}
103 - 113 - OFGANISM: Artificial Sequence
195 H. SUR FRATURE:
106 KICLE OTHER IMPORMATION: Description of Artificial Sequence: Synthetic
198 HARGE SEQUENCE: 7
109 Lou Ser Pro Pro Tyr Met Trp
110 1
118 -0117 - SEO DE NO: 8
114 -011 - LENGTH: 8
115 HOURT TYPE: PET
116 0013 - OFGANISM: Artificial Sequence
118 HUDBE FRATURE:
119 HILER OTHER INFORMATION: Description of Artificial Sequence: Synthetic
1. I -44000 SEQUENCE: E
1.3 Giy lle Gly Glo Val Glo Val Cys
1.6 M.10. SEQ ID NO: 9
1.7 .11. LENGTH: 7
1. F - Will TYPE: PET
1.9 0.130 OEGANISM: Artificial Sequence
1/(1/40.700) FEATUFE:
1.8 -0.13 - OTHER INFORMATION: Description of Artificial Sequence: Synthetic
134 RADOU SEQUENCE: 9
135 Tyr Ser Gly Lys Trp Gly Lys
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DATE: 02/06/2003

TIME: 14:14:54

### RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/676,475A

Input Set : A:\LJ4377.app

Cutput Set: N:\CRF4\02062003\I676475A.raw

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1.26 1
109 K. 100 SEQ II NO: 10
140 \pm0.110 LENGTH: 7
141 C. 1.5: TYPE: FET
141 0.10 CFGANISM: Artificial Sequence
144 H. O. D. FRATURE:
145 KILLS OTHER INFORMATION: Description of Artificial Sequence: Synthetic
14" (400) SEQUENCE: 10
14% Glu Val Ard Ser Arg Leu Ser
1.4
                     r.
150 K 100 SEO II 10: 11
153 -0.110 LENGTE: 7
154 H. L. TYPE: FRT
155 -0.175 OFGANISM: Artificial Sequence
157 KL200 FEATURE:
15- ACC - OTHER INFORMATION: Description of Artificial Sequence: Synthetic
160 -GUMEN SEQUENCE: 11
161 Arg Val Gly Leo Val Ala Arg
16.
165 -2100 SEO II- NO: 19
100 -0.100 LENGTH: 7
167 H. L. TYPE: PHI
168 O. 179 OFFAMISM: Artificial Sequence
170 - Did FEATURE:
171 H. May OTHER INFORMATION: Description of Artificial Sequence: Synthetic
173 -04060 SEQUENCE: 10
174 Val Lys Ser Val Cys Arg Thr
173
178 -0:100 SEQ ID NO: 15
17 / H. 11: LHUSTH: 9
180 WILL TYPE: PRT
181 -0.188 OF WANTSM: Aptificial Sequence
18: HILLOW FEATURE:
184 - LANG-OTHER INFOFMATION: Description of Artificial Sequence: Synthetic
186 - MOCO SEQUENCE: 15
1)7 Cys Leu Ala Lys Glu Asn Val Val Cys
191 -01100 SEQ ID NO: 34
14. -Chilly LENGTH: 8
190 - HARD TYPE: FET
144 0000 OF CANISM: Artificial Sequence
196 -U.S. PEATURE:
140 -0.730 OTHER INFORMATION: Description of Artificial Sequence: Synthetic
200 Cys Gly Glu Fhe Lys Val Gly Cys
201 1
204 0.100 SEQ ID NO: 15
Non- -1.111- LENGTH: 3
206 HOUSE TYPE: FET
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DATE: 02/05/2003

TIME: 14:14:54

# Input Set : A:\LJ4377.app Cutput Set: N:\CRF4\02062003\1676475A.raw 207 <217 ORGANISM: Artificial Sequence 209 <220 - FEATURE: CTL REQUENCE: 15 . It dys Thr Leu Ard Asp Ard Ash Cys .14217 € 1: + SEQ 31 NO: 16 .16 -0.10 - DENGTH: 8 . Marchin - TYPE: PRT 7.0 HOTE - OFGANISM: Aptificial Sequence . . . . . . . FEATURE: ..3 - C.T. - OTHER INFOFMATION: Description of Artificial Sequence: Synthetic ...S HI400 - SEQUENCE: 16 7.6 Gyr Tie Gly Glu Val Glu Val Cys 230 210 - SEQ IL NO: 17 PHI HOUSE - DENGTH: 23 A - C - C. I. - TYPE: PRI . 33 A.C.3 - OBSANISM: Artificial Sequence JES HIZOH PEATURE: 136 -131 - NAME/KEY: SITE 1.57 < 0.22 + 1.00ATION: (1)..(10) LAW -1.113 - OTHER INFORMATION: Maa may be present or absent 149 HODGE FEATURE: 141 -1001 - NAME/HEY: SITE .47 -021 - Lorampon: (14)...23) $.43 \cdot 0.173 \cdot 0.074 \text{EF}$ INFOFMATION: Maa may be present or absent. 145 HOURS FEATURE: 146 HOLDS OTHER INFORMATION: Description of Artificial Sequence: Synthetic 149 - 4400 - SEQUENCE: 10 W--> 249 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gly Phe Glu Xaa Xaa Xaa 1.0 . 52 Maa Maa Maa Kaa Maa Xau Xaa 0.0 7566 -0.100 - SEO TD NO: 18 257 H. 110 LENGTH: 7 ISH KOLO TYPE: PRI 254 Mil3: OFGANISM: Artificial Sequence DOI HOLDER FEATURE: In. A. A.S. OTHER INFORMATION: Description of Artificial Sequence: Synthetic 204 HIGHER SEQUENCE: 18 265 ber Cys The Ala Met The Glu 269 07100 SEQ II NO: 19 270 -1 11: LENGTH: 8 271 -0.110 TYPE: FRT 272 -07120 OFGANISM: Artificial Sequence 274 - DOWN FEATURE: 27: - Law OTHER INFORMATION: Lescription of Artificial Sequence: Synthetic

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/676,475A

# RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/676,475A

DATE: 02/06/2003 TIME: 14:14:54

Imput Set : A:\LJ4377.app

Output Set: N:\CRF4\02062003\I676475A.raw

```
277 <400 - CEQUENCE: IF
278 Gly ile Jer Ala Leu Val Leu Ser
                                                                                         Ε,
279
287 K210 + MEQ ID NO: 10
dhe kalle LENGTH: 8
CHI HOOM - TYPE: PRI
 LWS KELL: OF GAMISM: Artificial Sequence
13-7 HOLDER PEATURE:
1908 (1917) OTHER INFORMATION: Description of Artificial Sequence: Synthetic
. MO HARO - PROUENCE: . 0
2001 Cys Gly hys Arg Tyr Arg Ash Cys
. 1.
1945 - 0.110 - 280 ID NO: 21
1996 - 1.11 - DEUGTH: 7
2947 KOIN - TYPE: PRI
 198 - 0.13 - 08.3AMISM: Artificial Sequence
  300 SINDOS PENTURE:
 481 (C. 1) OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 SOF REPORT SEQUENCE: . 1
 104 Ser Met Jer Ile Ala Arg Leu
 20%
 30% -0.10 - 3EQ IF NO: 02
 709 (111 / LENGTH: 7
 FRE Will + TYPE: PRI
 111 0011 + OFWANISM: Artificial Sequence
 HIS WIND FEATURE:
 114 AND FOOTHER INFORMATION: Description of Artificial Sequence: Synthetic
 S16 S400 - SEQUENCE: ...
 317 Val Jer The Leu Glu Tyr Arg
 11/2
 ::1 -: 10 - SEQ IF NO: 13
 3.2 × 6.11 × 1 FNGTE: 9
 3.3 HILLS TYPE: PET
 374 - 11: OFGANISM: Artificial Sequence
 3.16 K. JOS FEATURE:
 ANT HOUSE OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 Bir Kinduk PEATURE:
 7:0 -0710- MAME/REY: UNSURE
  set \in \mathbb{R}^n \times \mathbb{R}
 Fr. H. H. OTHER INFORMATION: Unsure
 3:4 CLIO: FEATURE:
 3-8-0.10-NAME/HEY: UNSURE
3.66 \times 17.1.16 \text{ Location: } (4)...(7)
 For spring other information: Unsure
339 CONDUCTEATURE:
 340 KIN II NAME/REY: UNSURE
 641 R. III DOCATION: (8)
 FAR -0.250 (THEF INFORMATION: Unsure
044 - 4000 REQUENCE: 13
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RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/676,475A

DATE: 02/06/2003 TIME: 14:14:55

Input Set : A:\LJ4377.app

Output Set: N:\CRF4\02062003\1676475A.raw

### Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seg#:17; Maa Fos. 1,2,4,4,5,6,7,8,9,10,14,15,16,17,18,19,20,21,22,22
Seq#:23; Maa Fos. 1,8,4,5,6,7,9
Seq#:24; Naa Pos. 0,3,4,5,6,7,9
Seq#:18; Kaa Fes. 1,8,4,6,1,8,10,11,1_
Seq#:16; Kaa Pos. 0,3,4,5,6,7
Seq#:19; Kua Pos. 1,8,4,4,6,6,7
Seq#: 30; Maa Bos. 1,3,4,5,6,7,8,9,10,11
Seq#:31; N Pos. 4,5,7,*,10,11,15,14,16,17,19,30
Seq#:33\Omega; Naa Fos. 1,7,5
Seq#::45; Maa Bos. 2,4
Seq#:366; Maa Pos.
Seq#:007; Maa Pos.
Seq#::711; Maa Ecs.
Seq#:404; Maa Pos. .
Seq#:431; Maa Scs. 1,.,6,4,5,6,7,8,0,10,14,15,16,17,18,19,20,01,02,23
Seq#:430; Maa Bos. 1,.,3,4,5,6,7,8,4,10,15,16,17,18,19,20,31,32,334
Seq#:483; Maa Pos. 6,7,8,9,10,11,12,15,14,15
Seq#:484; Maa Pos. 1,2,8,4,5,6,7,8,9,14,15,16,17,18,19,20,31,8,38
Seq#:486; Maa Bos. 1,.,8,4,5,0,7,8,4,17,14,15,16,17,18,19,80,81,82,23
```

# Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

```
Seq#:1: Line(s) = 1,1,2,4,5,6,7,8,9,10,11,11,13,14,15,16,17,18,14,20,21,22,23
Seq#:1; Line(s) 24,28,26,27,28,09,30,31,32,33,34,25
Seq#::; Line(s) 56,57,56,59,49,41,40,45,444,45,46,47,46
Seq#::: Line(s) 44,80,81,50,85,04,85,86,51,88,84,00,61
Seq#:4; Line(s) 6.,65,64,65,66,67,68,64,75,71,7.,\frac{1}{2},74
Seq#:8; Line(s) 75,76,77,14,74,80,81,81,83,84,85,80,87
Seq#:6; Line(s) 88,89,90,91,90,93,94,95,96,97,98,99,100
Seq#:7; Line(s) 1 1,1:1,1:1,10:,104,10:,10:,107,108,1:0,110:,111,110,113
Seq#:8; Line(s) 114,114,114,117,114,119,1.0,101,127,1.3,104,105,1.6
Seq#:0; Line(s) 137,134,134,134,153,133,133,134,157,136,137,138,134
\text{Seq#:10; Line(s)} = 140,142,142,143,144,145,146,147,148,149,180,181,180
Seq#:11; Line(s) 183,194,188,189,189,189,189,160,101,100,108,104,168
Seq#:13; Lune(s) 166,167,168,169,170,171,172,177,174,175,176,177,178
Seq#:13; Line(s) 179,1-0,181,181,181,184,185,186,186,187,188,189,190,191
Seq#:14; Line(s) 190,140,194,190,196,197,198,194,200,.01,302,303,104
Seq#:18; Line(s) J(5,0.6,107,068,209,010,211,210,033,14,015,136,147
Seq#:16; Line(s) .1%,019,010,021,220,0.3,024,025,006,007,028,009,030
Seq#:17; Line(s) 245,246,247,246,349,350,251,352,253,354,255,356
Seq#:18; Line(s) 257,258,219,240,241,242,263,264,245,246,247,268,269
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RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/676,475A

DATE: (2/06/2003 TIME: 14:14:55

Input Set : A:\LJ4377.app

fri:put Set: N:\CRF4\02062003\1676475A.raw

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Seq#:20; Line(s):188,384,285,286,287,088,289,290,291,290,288,084,295
Seq#:21; Line(s) 1.36,290,2 0,233,200,561,200,305,204,205,306,507,306
\text{Se}_{3}\#:2.; Line(s) 3:0,3:0,3:1,3:2,3:3,3:4,3:5,3:6,3:7,3:4,3:9,3:0,3:1
Seq#:2x; Line(s) -..., 3. x, 2. 4, 3. 5, -26, -27, 3. x, 32 x, 336, 331, 3x., 5x3, 3x4, 335
Seq#:133; Line(s) 356,355,355,355,340,341,343,344,344,346,346,347,349,349
Seq#:24; Line(s) 250,351,352,353,254,355,256,350,356,360,381,362,363
Seq#: 14; Line(s) 364, 366, 366, 366
Seq#::5; Line(s) 564,369,370,371,371,373,374,378,376,377,374,378,387,376,377
Seq#:26; Line(s) 3.46, 387, 398, 399, 400, 461, 472, 463, 464, 465, 466, 462, 469
Seq#:.00; Line(s) 410,411,41.,413
Seq#:.7; Line(s) 414,415,416,410,410,410,410,410,421,421,422,422,424,4.5,416
Seq#::x; Line(s) 415,418,4.9,430,431,432,433,433,438,438,438,437,438,430
Seq#: 4; Line(s) 454,455,456,456
Seq#::6; Line(s) 4(*,4t),4t),4t(,4t),4t(1,4t),4t(4,4t),4t(4,4t),4t(5,4t(5,4t(5),4tt),4t(7),4t(1,4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),4t(5),
Seq#:80; Line(s) 47.,475,474
Seq#::::: Line(s) 415,476,4 1,416,479,400,401,465,463,464,465,464,461,486
Seq#:31; Line(s) 489,490,491
Seq#:30; Line(s) 490,480,484,495,496,497,495,499,500,501,502,503,504
Seq#::xx; Line(s) 1055,800,807,808,009,810,811,818,818,818,818,818,818,817
Seq#:34; Line(s) 545,519,5.0,511,532,813,5.4,535,826,837,820,529,830
Seq#:30; Line(s) ER1,ER1,SRR,SRR,ER4,ER3,ER4,ER37,ER4,ER3,ER4,ER4,ER4,ER4
Seq#:36; Line(s) 544,545,546,847,548,549,850,881,588,88-,854,888,886
Seq#:37; Line(s) (117,85%,86%,860,161,162,163,864,865,866,867,166,569
Seq#:30; Line(s) 570,571,572,573,574,678,576,577,578,574,580,581,582
Seq#:40; Line(s) 196,597,598,599,606,601,601,603,664,665,666,7667,665
Seq#:41; Line(s) 623,610,611,612,613,614,615,616,617,618,619,600,611
Seq#:40; Line(s) 622,625,624,625,626,627,628,629,630,631,632,633,634
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## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/676,475A

DATE: 02/06/2003 TIME: 14:14:55

Input Set : A:\LJ4377.app

Output Set: N:\CRF4\02062003\I676475A.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number L:13 M::71 C: Current Filing Date differs, Replaced Current Filing Date L:249 M:341 W: (46) "n" or "X.a" used, for SEO ID#:17 after pos.:0 M:341 Repeated in SeqNo=17 L:345 M:341 W: (46) "n" or "Kwa" used, for SEQ ID#:33 after pos.:0 L:365 M:341 W: (46) "n" or "Kwa" used, for SEQ ID#:334 after pos.:0 L:391 M:341 W: (46) "n" or "X4a" used, for SEQ ID#:08 after pos.:0 L:409 M:341 W: (46) "n" or "Kwa" used, for SEO ID#:26 after pos.:0 L:455 M:341 W: (46) "n" or "Kwa" used, for SEQ ID#:22 after pos.:0 L:470 M:341 W: (461 "n" or "Kwa" used, for SEQ ID#:30 after pos.:0 L:489 M:341 W: (46) "n" or "X.a" used, for SEQ ID#:31 after pos.:0 L:4405 M:341 W: (46) "n" or "Maa" used, for SEQ ID#:332 after pos.: L:4584 M:341 W: (46) "n" or "Maa" used, for SEQ ID#:345 after pos.:( L:4862 M:341 W: (46) "n" or "Maa" used, for SEQ ID#:366 after pos.: L:4880 M:341 W: (46) "n" or "Maa" used, for SEQ II#:367 after pos.:0 L:4949 M:341 W: (46) "n" or "Maa" used, for SEQ II#:372 after pos.: L:8870 M:841 W: (46) "n" or "Maa" used, for SEQ ID#:404 after pos.:0 L:8781 M:341 W: (46) "n" or "Maa" used, for SEO II#:431 after pos.:( M:341 Repeated in SeqNo=431 L:8787 M:341 W: (40) "n" or "Maa" used, for SEQ ID#:432 after pos.:0 M:341 Repeated in SeqNo=432 L:5778 M:541 W: (46) "n" or "Naa" used, for SEQ II#:453 after pos.:0 L:8801 M:841 W: (46) "r" or "Maa" used, for SEQ II#:434 after pos.: M:341 Repeated in SeqNo=434 L:8840 M:841 W: (46) "n" or "Maa" used, for SEQ ID#:436 after pos.:t M:341 Repeated in SeqNo=436